

Resumé

Family Name: Steinle

Given Names: Peter John

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Qualifications

1984: Bachelor of Science(Faculty of Mathematical Sciences), First Class Honours,
University of Adelaide

1988: Diploma of Meteorology

1994: Ph.D., University of Adelaide

“Finite Difference Methods for the Advection Equation”

Relevant current professional activities:

- Data Assimilation Team Leader for Australian Community Climate Earth Simulation System
- Member of THORPEX Data Assimilation and Observing Strategies Working Group
- Member of the Bureau of Meteorology’s Operational Systems Implementation and Coordination Group, which oversees the transition of numerical prediction systems from research to operations. This group also oversees the operational implementation of new numerical forecast products.
- Member of Medium Range Prediction Group / Data Assimilation Research Group of Bureau of Meteorology Research Centre (1990 to present)

Other relevant professional activities:

- Contributor to THORPEX Southern Hemisphere Science Plan
- Attended the inaugural meeting of the THORPEX Science and Technical Advisory Boards to be held in Reading, UK March 2006
- Attended a preliminary workshop on the development of THORPEX, Monterey, USA.
- Lead role in the development of the Bureau’s global, regional, tropical and meso-scale assimilation and prediction systems.
- Involved with projects within the Data Assimilation Research Group of BMRC on
 - Use of ensemble of assimilation systems to quantify uncertainty in short range numerical forecasts
 - Use of Ensemble Kalman Filters
- Involved with the assessment of the Bureau’s ensemble prediction systems.
- Chair of BMRC working group on meso-scale analysis and prediction